

# Molecular and Cellular Biochemistry:

An International Journal for Chemical Biology in Health and Disease

CONTENTS VOLUME 198, Nos. 1 & 2, August 1999

M. Minieri, R. Fiaccavento, L. Carosella, G. Peruzzi and P. Di Nardo: The cardiomyopathic hamster as model of early myocardial aging	1-6
G. Woldehawariat, S. Nekhai and R. Petryshyn: Differential phosphorylation of PKR associates with deregulation of eIF-2 $\alpha$ phosphorylation and altered growth characteristics in 3T3-F442A fibroblasts	7-17
G. Sa and T. Das: Basic fibroblast growth factor stimulates cytosolic phospholipase A <sub>2</sub> , phospholipase C- $\gamma$ 1 and phospholipase D through distinguishable signaling mechanisms	19-30
H. Ishida, C. Genka, Y. Hirota, Y. Hamasaki and H. Nakazawa: Distinct roles of peroxynitrite and hydroxyl radical in triggering stunned myocardium-like impairment of cardiac myocytes <i>in vitro</i>	31-38
K. Sugita, A.-C. Mörk, G.H. Zhang and J.R. Martinez: Modulation of Ca <sup>2+</sup> mobilization by protein kinase C in the submandibular duct cell line A253	39-46
R.R. Baker and H.-y. Chang: Lysophosphatidic acid, alkylglycerophosphate and alkylacetyl glycerophosphate increase the neuronal nuclear acetylation of 1-acyl lysophosphatidyl choline by inhibition of lysophospholipase	47-55
N. Ferré, J. Girona, M. Cabré, J. Joven, A. LaVille, L. Masana, J.L. Paternáin and J. Camps: Hepatic production of apolar aldehydes in rats with carbon tetrachloride-induced cirrhosis	57-60
J. Beattie, S. Bramani, C. Secchi and J. Mockridge: Binding and signalling properties of a growth hormone enhancing monoclonal antibody	61-67
L. Pu, U. Igbavboa, W.G. Wood, J.B. Roths, A.B. Kier, F. Spener and F. Schroeder: Expression of fatty acid binding proteins is altered in aged mouse brain	69-78
K.V. Ramana and K.K. Kohli: Purification and characterization of the hepatic CYP2C and 3A isozymes from phenobarbitone pretreated rhesus monkey	79-88
F.I. Ikegwonu and C.R. Jefcoate: Evidence for the involvement of the fatty acid and peroxisomal $\beta$ -oxidation pathways in the inhibition by dehydroepiandrosterone (DHEA) and induction by 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and benz(a)anthracene (BA) of cytochrome P4501B1 (CYP1B1) in mouse embryo fibroblasts (C2H10T1/2 cells)	89-100
M. Nakajima, T. Murata and M. Yamaguchi: Expression of calcium-binding protein regucalcin mRNA in the cloned rat hepatoma cells (H4-II-E) is stimulated through Ca <sup>2+</sup> signaling factors: Involvement of protein kinase C	101-107
V. Raizada, D. Pathak, B. Skipper, A. Nakouzi and A. Malhotra: Age-related difference in cardiac adaptation to chronic hypertension in rats, with and without nifedipine treatment	109-112
T.C. Vary and S. Hazen: Sepsis alters pyruvate dehydrogenase kinase activity in skeletal muscle	113-118
V.C. Sállice, A.M. Cortizo, C.L. Gómez Dumm and S.B. Etcheverry: Tyrosine phosphorylation and morphological transformation induced by four vanadium compounds on MC3T3E1 cells	119-128
I.F. Gow, P.W. Flatman and D. Ellis: Lithium induced changes in intracellular free magnesium concentration in isolated rat ventricular myocytes	129-133
L. Ladrière, G. Grue-Sørensen, F. Björkling and W.J. Malaisse: Metabolism of glycerol-1,2,3-trimethylsuccinate in rat hepatocytes	135-139
K. Iwasaki, W. Underwood, M. Herman, S. Dinda, S. Kodali, H.J. Kloosterboer, C. Hurd and V.K. Moudgil: Effects of antiprogesterins on the rate of proliferation of breast cancer cells	141-149
P. Das and M. Chowdhury: Vitamin E-deficiency induced changes in ovary and uterus	151-156
M.T. Pepato, M.R.T. Magnani, I.C. Kettelhut and I.L. Brunetti: Effect of oral vanadyl sulfate treatment on serum enzymes and lipids of streptozotocin-diabetic young rats	157-161
G. de la Haba, M. Khatami, G.W. Cooper, P. Backlund and J.G. Flaks: Alanine or pyruvate is required for the development of myotubes from myoblasts and cortisol satisfies this requirement	163-170
T. Improta-Bears, S. Ghosh and R.M. Bell: Mutational analysis of Raf-1 cysteine rich domain: Requirement for a cluster of basic aminoacids for interaction with phosphatidylserine	171-178
D. Bhattacharyya and P.C. Sen: The effect of binding of chlorpromazine and chloroquine to ion transporting ATPases	179-185
A.J. Tempone, A.O. Afonso, D. Nascimento and F.D. Rumjanek: Dolichol phosphate is a rate-limiting factor in mannosyl transferase activity of adult male worms of <i>Schistosoma mansoni</i>	187-191
J. Ye, M. Ding, X. Zhang, Y. Rojanasakul, S. Nedospasov, V. Vallyathan, V. Castranova and X. Shi: Induction of TNF $\alpha$ in macrophages by vanadate is dependent on activation of transcription factor NF- $\kappa$ B and free radical reactions	193-200
Index to Volume 198	201-203